

TITLE: Matrix metalloproteinases (MATRIXMETALLOPROTEINASES, MMPS) activity inhibitor and antiaging cosmetic

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AB Matrix metalloproteinases (MATRIXMETALLOPROTEINASES, MMPS) activity inhibitor and topical skin prepn. contain one or more plants including root of *Cocos nucifera* L. (C.NUCIFERA, COCOS NUCIFERA) of *Cocos* of *Palmae*, leaf of *Blumea balsamifera* (B.BALSAMIFERA) of *Blumea* of *Compositae*, fruit of *Illicium verum* (ILLICIUM VERUM HOOK.F., I.VERUM) of *Illicium* of *Illiciaceae*, bark of *Juniperus brasiliensis* (J.BRASILIENSIS) of *Juniperus* of *Cupressaceae* (CUPRESSAEAE), bark of *Salix alba* (S.ALBA) of *Salix* of *Salicaceae*, seed of *Paullinia cupana* (P.CUPANA) of *Paullinia* of *Sapindaceae* (SAPINADACEAE), and root of *Smilax officinalis* (S.OFFICINALIS), *Smilax aristolochiaefolia* (S.ARISTOLOCHIAEFOLIA), and *Smilax aspera* L. (S.ASPERA L., SMILAX ASPERA) of *Smilax* of *Liliaceae*. The prepn. method comprises soaking or heating and refluxing the plant in extn. solvent, filtering, concg., and refining to obtain ext., which is added into cosmetic in an amt. of 0.0001-20%. The MMPS refer to one or more enzymes of gelatinase (contg. MMP-2, MMP-9, etc.), matrix degrading enzymes (contg. MMP-3, MMP-10, etc.), and collagenase (contg. MMP-1, MMP-8, MMP-13, etc.). The MMPS inhibitor can be used as protein fiber decompn. inhibitor, laminin decompn. inhibitor, basement membrane decompn. inhibitor, glycolipid decompn. inhibitor, and collagen decompn. inhibitor. The product has the effects of preventing the decompn. of skin extracellular matrix (ECM), preventing and relieving skin aging, maintaining skin elasticity, and reducing wrinkles and skin relaxation.